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Title	Proteomics analysis of heterogeneous flagella in brown algae (Stramenopiles)
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Table S3. Forty orthologous proteins shared by *P. infestans*, *C. reinhardtii* and *H.sapiens* but not *A. thaliana*.

Assession number	Description	Assession number	Description
Axonemal proteins		CBJ28846.1	Camp-dependent protein kinase catalytic
CBJ30475.1	Dynein heavy chain	CBJ28568.1	Multidrug resistance protein 1
CBJ26575.1	Dynein heavy chain	CBJ27187.1	Calcium calmodulin-dependent 3-cyclic nucleotide phosphodiesterase 1a
CBJ25902.1	Dynein heavy chain	CBJ26305.1	Protein phosphatase 2A regulatory subunit
CBN79844.1	Dynein heavy chain	CBJ25956.1	Intron-binding protein similar to aquarius
CBJ27165.1	Dynein heavy chain	CBJ49167.1	Glutaredoxin
CBJ32625.1	Dynein intermediate chain	CBN75228.1	Serine/threonine protein kinase
CBN74276.1	Dynein intermediate chain	CBJ32839.1	Heat Shock Protein 70
		CBN78577.1	Udp-n-acetylglucosamine pyrophosphorylase
CBN74485.1	Dynein heavy chain	Function unknown	
CBN75111.1	p28, 28 kDa light chain of axonemal inner dynein arms	CBJ48496.1	Flagellar associated protein
CBJ32104.1	Dynein light chain roadblock-type 1	CBN78335.1	Flagellar associated protein
CBJ27495.1	Flagellar inner arm dynein light chain Tctex1	CBN79530.1	Flagellar associated protein
CBJ30984.1	Radial spoke head protein 4 homolog a	CBJ25580.1	Flagellar associated protein
CBJ27642.1	Sperm associated antigen 6		
CBJ30601.1	Actin	CBJ29363.1	Flagellar associated protein
CBJ25983.1	PACRG (parkin co-regulated gene) protein	CBN78148.1	Conserved unknown protein
CBJ31790.1	Protofilament ribbon protein of flagellar microtubules	CBN74902.1	Conserved unknown protein
CBJ30895.1	Component of dynein regulatory complex	CBN78818.1	Conserved unknown protein
CBN79257.1	Kinesin-like protein	CBN74395.1	Conserved unknown protein
CBN74315.1	Intraflagellar transport protein 140	CBJ28610.1	Conserved unknown protein
Signal and metabolism		CBN75609.1	Conserved unknown protein
CBJ25862.1	Sodium potassium-transporting ATPase subunit		